

Author Index

- Assink, R.A. 1
- Behl, S. 311
Benziger, J.B. 23
Biais, J. 303
Bibette, J. 303
- Carroll, B.J. 131
Chen, R. 7
Chittofrati, A. 251
Coller, B.A.W. 287
- Distel, C.D. 287
- Elbing, E. 287
- Gasser, P. 275
Gill, J.S. 101
Gölander, C.-G. 217
Gouda, T. 47
Gramain, Ph. 275
Guigon, M. 243
Guiton, T.A. 33
- Isobe, H. 47
Ito, M. 107
- Kallay, N. 251
Kaneko, K. 15, 47
Katori, T. 47
Kay, B.D. 1
Kiss, E. 217
Klinklin, E. 243
- Leal Calderon, F. 303
Liu, H. 7
Lyons, C.J. 287
- Mao, Y. 7
Matsumoto, A. 15
Matsuzawa, K. 107
Mileva, E. 259, 267
Miller, C.A. 169
Moore, B.P. 287
Moudgil, B.M. 311
Møvik, A.E. 293
- Nikolov, L. 267
- Okuda, K. 47
Ozeki, S. 47
- Pantano, C.G. 33
Paradies, H.H. 57
Patterson, R.E. 115
Peikov, V. 223
- Petkanchin, I. 223
Petrov, J.G. 233
Prakash, T.S. 311
- Radoev, B. 259
Radzig, V.A. 91
Raney, K.H. 169
Ruike, M. 15
- Sedev, R.V. 233
Sjöblom, J. 293
Suzuki, T. 15, 47
- Tokunaga, I. 47
- Urdahl, O. 293
- Visca, M. 251
Voegel, J.C. 275
- Wang, J. 7
Wilson, I.R. 287
- Yamauchi, K. 107
Ying, J.Y. 23
- Zhuravlev, L.T. 71

Subject Index

- Activated carbon fiber, 15
Activated mica, 217
Active sites, 91
Adhesion, 243
Adsorption, 15, 47, 275
Amino functional surface, 217
Ammonia adsorption, 15
Amorphous silica, 71
Antifoam, 115
Apparent contact angle, 233
Aqueous foods, 107
Asphalt emulsion, 303
- Bismuth, 57
- Calcium–magnesium silicates, 101
Carbon fibre, 243
Cationic surfactant, 303
Ceramic transition, 23
Coarse particles, 311
Conductivity, 251
Critical micelle concentration, 287
Crude oil, 293
Cycling make-up water, 101
- Defoamer, 115
Detergency, 131, 169
Dynamic contact angle, 233
Dynamic meniscus shape, 233
- Electrical interactions, 223
Emulsification, 169
Emulsion systems, 259, 267
Energetics, 23
ESR, 91
- α -FeOOH suspensions, 223
Flocculation, 303
Fluoride, 275
Foam, 115
- Hydrodynamic interaction, 259, 267
Hydroxyapatite, 275
- Inelastic light scattering, 57
Infrared reflectance spectroscopy, 33
- Interface, 243
IR, 91
- Kinetics, 1
- Macromolecular destabilization, 293
Mass transfer, 259, 267
Microballoon, 47
Microemulsion, 251
Micropore, 15
- Oily soil, 131
Optical interactions, 223
- Paper, 115
Particles of silica sol, 7
Particulate soil, 131
Perfluoropolyether, 251
Photoluminescence, 91
Polarized electric light scattering, 223
Polydispersity, 57
Porosity, 33
Potential theory, 267
Preparation, 7
Proteins, 107
- Radial distribution function, 57
Rate of growth, 7
Reactive silica, 91
Rod-in-free-surface method, 287
- Scale/deposit inhibitors, 101
Scaling concepts, 259, 267
Selective flocculation, 311
Silica, 23, 47, 115
Silica gels, 33, 107
Silica glass, 33
Silica particles, 57
Silica polymerization, 101
Silicic acid, 7
Silylation, 217
SiO₂, 15
Size distribution function, 57
Size partitioning, 303
Small-angle X-ray scattering, 57

Sol-gel, 1, 23
Solid surface, 47
Solubilization, 169
Structure, 23
Surface characterization, 15, 71
Surface modification, 15, 217
Surface tension, 287
Surface treatment, 243
Surfactant destabilization, 293
Surfactants, 259, 267

Teric X10, 287
Tetraethoxysilane, 1
Transmission electron microscopy, 243

Vibrational modes, 33

Water, 47
Water adsorption, 15
Water-in-oil system, 251
Wetting dynamics, 233